

# Penco Products All Welded Locker Architectural Specifications

Section 10\_51\_13\_MetalLockerPenco-Stadium AW\_8-19-09



## SECTION 10 51 13 METAL LOCKERS

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

- A. Open Front Welded Team Lockers.
- B. Locker benches.

#### 1.02 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings: Show the following:
  - 1. Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates.
  - 2. Details of assembly, erection, anchorage and clearance requirements.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 1.03 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect locker finish and adjacent surfaces from damage.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Penco Products, Inc., which is located at: 2024 Cressman Rd. P. O. Box 158 ; Skippack, PA 19474-0158; Toll Free Tel: 800-562-1000; Tel: 610-666-0500; Fax: 610-666-7561; Email:general@pencoproducts.com; Web: www.pencoproducts.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 25 00.

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- D. Provide only metal lockers fabricated in the United States by a single domestic manufacturer.

### 2.02 MATERIALS

- A. Steel: Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008.
- B. Steel: Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A879.
- C. Hooks: Zinc plated forged steel, ball ends.
- D. Bolts and Nuts: Zinc plated truss fin head bolts and hex nuts.

### 2.03 HEAVY DUTY LOCKERS

- A. Heavy Duty Lockers: All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.
  - 1. Open-Front Athletic Lockers: Penco Stadium lockers, welded, with 4 inch (101 mm) high integral base (standard).
- B. Locker Body: Stadium Open Front Welded Lockers.
  - 1. Sides, Bottoms, Tops, and Shelves:
    - a. 16 gauge steel.
  - 2. Backs: Solid 18 gauge steel.
  - 3. Framing: All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.
  - 4. Parts mortised and tenoned and welded in a rigid assembly.
  - 5. Shelves: Flanged four sides with additional return flange on front edge to increase strength.
  - 6. Integral Metal Base: 4-inch (101 mm) high 16 gauge steel channel, welded to the locker bottom.

### 2.04 INTERIOR EQUIPMENT

- A. Stadium Open-Front Athletic Lockers:
  - 1. Full width shelf, coat rod, and two single prong hooks.
  - 2. Box locker security box, above shelf.
    - a. Door shall be 14 gauge steel, punched for built-in lock or padlock. Lock hole cover with door pull shall be provided for padlock use.
    - b. Hinges: 16 gauge continuous and riveted to 16 gauge welded frame
    - c. Side panel: 16 gauge
  - 3. Foot locker with hinged bench seat, padlock hasp and stainless steel strike.
    - a. Hinge: 16 gauge continuous and riveted to horizontal panel
    - b. Ventilation: Front panel to have a pattern of mini louvers that measure ½ inch (12.7 mm) wide by ¼ inch (6.35 mm) high.

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### 2.05 ACCESSORIES

- A. Number Plates: Provide each locker with a polished aluminum number plate, 2-1/4 inches (57 mm) wide by 1 inch (25 mm) high, with black numerals not less than 3/8 inch (9.5 mm) high; attach to face of door with two aluminum rivets.
- B. Locks: Built-in flat key locks; control-key to same series.
- C. Locks: Built-in grooved key locks (pin tumbler); control-key to same series.
- D. Continuous Sloped Hoods: 18 gauge steel, slope rise equal to 1/3 of the locker depth (18.5 degrees), plus a 1 inch (25 mm) vertical rise at front.
  - 1. Supplied in 72 inch (1829 mm) lengths only.
  - 2. Slip joints without visible fasteners at splice locations.
  - 3. Provide necessary end closures.
  - 4. Finish to match lockers.
- E. Continuous Sloped Hoods: 16 gauge steel, slope rise equal to 1/3 of the locker depth (18.5 degrees), plus a 1 inch (25 mm) vertical rise at front.
  - 1. Supplied in 72 inch (1829 mm) lengths only.
  - 2. Slip joints without visible fasteners at splice locations.
  - 3. Provide necessary end closures.
  - 4. Finish to match lockers.
- F. Finished End Panels: Minimum 16 gauge steel formed to match locker depth and height, 1 inch (25 mm) edge dimension; finish to match lockers and install with concealed fasteners.
- G. Front Fillers: 20 gauge steel formed in an angle shape, with 20 gauge slip joint angles formed in an angle shape with double bend on one leg forming a pocket to provide adjustable mating with angle filler.
  - 1. Attachment by means of concealed fasteners.
  - 2. Finish to match lockers.
- H. Recess Trim: 18 gauge steel, 3 inch (75 mm) face dimension.
  - 1. Vertical and/or horizontal as required.
  - 2. Standard lengths as long as practical.
  - 3. Attach to lockers with concealed clips.
  - 4. Provide necessary finish caps and splices.
  - 5. Finish to match lockers.
- I. Benches: Laminated selected hardwood, 1-1/4 inch (31 mm) full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
  - 1. Width: 9-1/2 inches (240 mm) wide.
  - 2. Width: 12 inches (305 mm) wide.
  - 3. Width: 24 inches (610 mm) wide.
  - 4. Lengths: As shown.
- J. Heavy-Duty Bench Pedestals: Steel tubing with 10 gauge steel flanges welded to each end, 16-1/4 inches (412 mm) high, finish to match lockers.

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- K. Stainless Steel Free-Standing Bench Pedestals: 2-inch (50 mm) diameter brushed 16 gauge stainless steel formed into a trapezoid, 14 inch (355 mm) wide bottom with two 5/16 inch (7.9 mm) diameter holes, top flange with four 5/16 inch (7.9 mm) diameter holes for fastening to bench

### 2.06 FABRICATION

- A. Fabricate lockers square, rigid, without warp, with metal faces flat and free of distortion.
- B. Welded Lockers: Pre-assemble lockers by welding into one piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of group to be 54 inches (1.371 m); no bolts, nuts, or rivets allowed in assembly of main locker groups.
- C. Finish: Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color.
  - 1. Powder Coat - Dry Thickness: 1 to 1.2 mils (0.025 to 0.03 mm).
  - 2. Powder Coat Plus - Dry Thickness: 2 to 2.2 mils (0.05 to 0.055 mm).
  - 3. Color: As selected from manufacturer's standard colors.
  - 4. Special Finish
    - a. Custom color
    - b. Anti-Graffiti
    - c. Anti-Microbial
    - d. TGIC
    - e. Ultra-Weatherable.

## PART 3 – EXECUTION

### 3.01 EXAMINATION

- A. Do not begin installation until substrates and bases have been properly prepared.
- B. If substrate and bases are the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.02 INSTALLATION

- A. Install metal lockers and accessories at locations shown in accordance with manufacturer's instructions.
- B. Install lockers plumb, level, and square.
- C. Anchor lockers to floor and wall at 48 inches (1.219 m) or less, as recommended by the manufacturer.
- D. Bolt adjoining locker units together to provide rigid installation.

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- E. Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
- F. Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

### 3.03 ADJUSTING AND CLEANING

- A. Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.
- B. Adjust built-in locks to prevent binding of dial or key and ensure smooth operation prior to substantial completion.
- C. Touch-up with factory-supplied paint and repair or replace damaged products before substantial completion.

### 3.04 PROTECTION

- A. Protect installed products until completion of project.

END OF SECTION

**Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.**

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